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PN - JP7279366 A 19951027  
 TI - (A)  
     ASSEMBLY TYPE VERANDA  
 AB - (A)  
     PURPOSE: To provide an assembly type veranda made of a wooden floor board material, capable of saving the labor for the cutting work and corrosion preventing treatment at an execution site and shortening the construction period at a low cost, and attaining a high corrosion preventing property and a water leak preventing property. CONSTITUTION: Multiple wooden floor board materials 2 are arranged nearly in parallel, and they are connected together to form the floor of an assembly type veranda. A connecting recess 11 and a connecting projection 12 are relatively formed on the connecting end faces of each wooden floor board material 2, a recess 13 having a hook-shaped cross section is formed at the upper face corner section of the connecting edge, and a resin film 10 is applied on the whole surface including the recesses 11, 13 and projection 12 of the wooden floor board material 2. The connecting recess 11 and connecting projection 12 of two adjacent wooden floor board materials 2 are coupled with each other and filled and stuck with an adhesive 23, and a wooden sealing material 9 is coupled with the recess 13 having the hook-shaped cross section and filled and stuck with the adhesive 23.  
 F - E04F15/00&G; E04F15/02&G; E04F15/02&P; E04F15/04&F  
 PA - (A)  
     NIWA MASAHIKO  
 IN - (A)  
     NIWA MASAHIKO  
 AP - JP19940090618 19940404  
 PR - JP19940090618 19940404  
 DT - I  
 FT - 2E220/AA07; 2E220/AA08; 2E220/AA12; 2E220/AA39; 2E220/AA51; 2E220/AB04; 2E220/AB23; 2E220/AB24; 2E220/AC03; 2E220/BA15; 2E220/BA23; 2E220/BB04; 2E220/BB11; 2E220/BB13; 2E220/CA03; 2E220/DA02; 2E220/DA11; 2E220/DA13; 2E220/DA19; 2E220/DB03; 2E220/DB20; 2E220/FA01; 2E220/FA04; 2E220/GA12X; 2E220/GA22Z; 2E220/GA25X; 2E220/GB32X; 2E220/GB32Z; 2E220/GB33X; 2E220/GB34X; 2E220/GB37X; 2E220/GB43X; 2E220/GB44X; 2E220/GB45X; 2E220/GB46X; 2E220/GB47X

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AN - 1996-003340 [01]  
 TI - Veranda assembled from wooden sections - has joints with concave and convex sections which form part of two adjoining wooden floor boards engaged mutually through adhesive filling  
 AB - J07279366 The assembly type veranda (1) has a formed floor with the joint displaying wooden floorboard material (2) installed horizontally.  
     - The joint concave part (11) and joint convex part (12) are mutually engaged in the joint end face of each wooden floor board material.  
     - A section hooked concave part (13) which is formed in upper corner part on joint edge is covered by the resin film (10) over the entire surface including a joint concave part and a joint convex part. The wooden sealing up material (9) covers the engaged surface of the entire resin film after filling with adhesive (23).  
     - ADVANTAGE - High degree of corrosion and water leak prevention.  
     - (Dwg.10/11)  
 IW - VERANDA ASSEMBLE WOOD SECTION JOINT CONCAVE CONVEX SECTION FORM PART TWO ADJOIN WOOD FLOOR BOARD ENGAGE MUTUAL THROUGH ADHESIVE FILL  
 PN - JP7279366 A 19951027 DW199601 E04F15/02 007pp  
 IC - E04F15/02 ;E04F15/04  
 DC - Q45  
 PA - (NIWA-I) NIWA M  
 AP - JP19940090618 19940404  
 PR - JP19940090618 19940404

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 I - E04F15/02 ;E04F15/04  
 PA - MASAHIKO NIWA